

WHAT IS CLAIMED IS:

1. A method for redirecting electrostatic discharge (ESD) away from a main circuit coupled to a terminal pad, comprising the steps of:
 - (1) receiving a terminal pad voltage;
 - (2) applying said terminal pad voltage to a main circuit;
 - (3) applying said terminal pad voltage to an ESD clamp circuit;
 - (4) applying a reduced terminal pad voltage to an ESD trigger circuit;
 - (5) triggering said ESD clamp circuit to direct said terminal pad voltage away from said main circuit when said reduced terminal pad voltage exceeds an ESD triggering threshold voltage;
 - (6) applying said terminal pad voltage to a higher frequency bypass; and
 - (7) triggering said ESD clamp circuit through said higher frequency bypass to direct said terminal pad voltage away from said main circuit when there is a higher frequency voltage increase on said terminal pad.